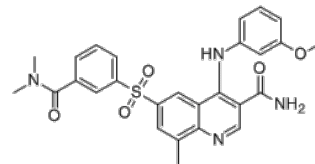


Product Name : GSK256066
Cat. No. : PC-61617
CAS No. : 801312-28-7
Molecular Formula : C₂₇H₂₆N₄O₅S
Molecular Weight : 518.588
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

GSK256066 is a highly potent, selective **PDE4B** inhibitor with pIC₅₀ of 11.1, apparent IC₅₀ of 3.2 pM, inhibits PDE4 isoforms A-D with equal affinity.

GSK256066 displays >1,000-fold selectivity over PDE1, 2, 3, 5, 6, and 7.

GSK256066 inhibits LPS induced production of TNF-alpha from isolated human peripheral blood mononuclear cells with pIC₅₀ of 11.1.

GSK256066 inhibits LPS-induced pulmonary neutrophilia with ED₅₀ of 1.1 ug/kg (aqueous suspension) and 2.9 ug/kg (dry powder formulation) in rats.

GSK256066 shows exceptional potency in vitro and in vivo for treatment for COPD and asthma.

References

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Singh D, et al. *Respir Res*. 2010 Mar 1;11:26.

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Caution: Product has not been fully validated for medical applications. Lab Use Only!

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